

Cargo Security Symposium & National CDC Security Strategy



U. S. COAST GUARD

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Office of Port & Facility Activities

- Maritime Transportation Security Act (MTSA)
- Security & Accountability for Every (SAFE) Port Act
- Transportation Worker Identification Credential (TWIC)
- Marine Environmental Protection
- Port recovery/resiliency
- Cargo security policy
- Prevention outreach




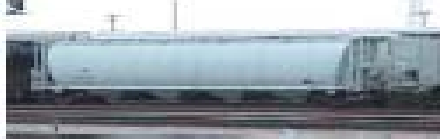



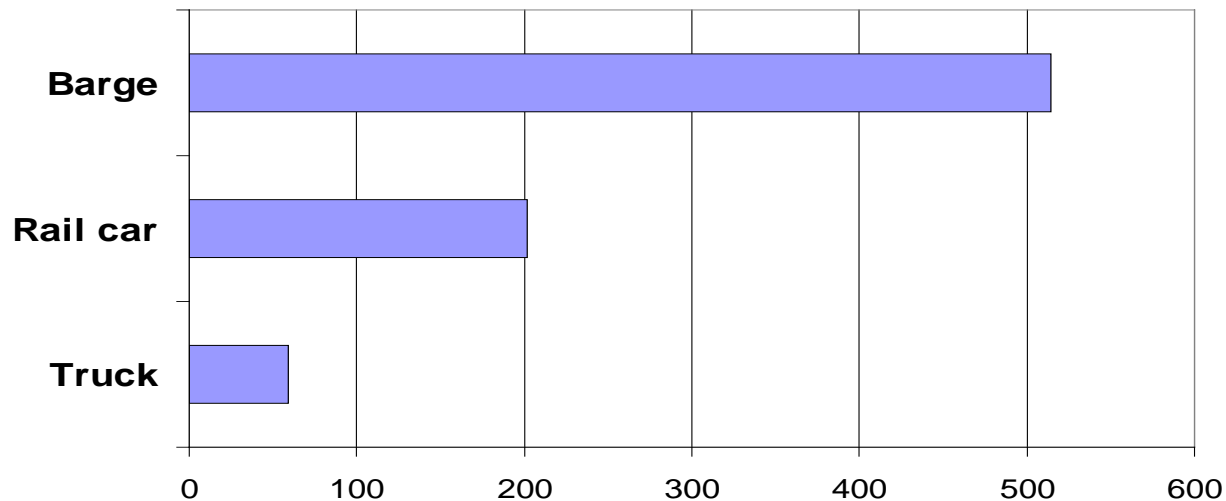
Framing the CDC Risk

- Certain Dangerous Cargoes (CDC) have chemical properties, e.g., toxicity, flammability, reactivity etc., that if released could produce serious consequences.
- CDCs are transported and/or transferred daily near high density population areas and maritime critical infrastructure and key resources in U.S. ports and on U.S. waterways.
- Maritime policies and practices for facility siting, transportation and security of CDC are not always consistent among ports nationwide.
- Each cargo, if successfully integrated into a mode of attack, presents a set of potential risks (i.e., loss of life, critical infrastructure, economic impact). These can be mitigated through prevention and response measures, sound planning, shared responsibility by all maritime stakeholders and strong risk management practices.



Barge Importance

			
Mode	Hopper Truck	Hopper Railcar	Barge
AN Capacity	24 tons	96 tons	1,440 tons
TNT Equivalent	5 tons	21 tons	317 tons



(U) Number of miles one ton can be carried per gallon of fuel



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Tank barge to rail cars or trucks

1 barge = 46 rail cars = 144 trucks





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Cargo Security Symposium



Hyatt Regency Hotel Reston
24-25 September 2009



Key Objectives

- Gain industry & OGA perspectives and develop a common understanding of the “current state” including assessment and identification of the suite of risks associated with the maritime transportation of CDC on U.S. waterways and the limitations of security resources.
- Characterize the roles and responsibilities of federal, state/local, and industry partners and stakeholders to identify current overlaps, seams and gaps.
- Build consensus of key issues to inform the development of a National Security Strategy for the Marine Transportation of CDC.





CDC Risk Management Building Blocks





Risk Reduction Efforts

- *Risk Reduction Workgroup*
Refreshed/revisited as the COMDT identified the need to broaden the focus of our security efforts beyond the narrow scope of LNG to include the broad range of CDCs carried by maritime mode.





WG Participants

- CG-544 / Port and Facilities Activities (Lead)
- Sponsored under NMSAC with industry involvement:
 - AWO
 - Kirby Corporation
 - Tricon Energy (CTAC chair)
 - State & local representation (Miami Nation)
- CG-522 / Operating and Environmental Standards
- CG-543 / Vessel Activities
- CG-541 / Waterways Management
- CG-532 / Counter Terrorism and Defense Operations
- CG-533 / Incident Management and Preparedness
- CG-731 / Boat Forces
- CG-741 / Shore Forces
- CG-0941 / Operational Law Group
- LANTAREA / PACAREA





WG Action Item List

- Conducted a total of 7 meetings.
- Strong input/support from Coast Guard with active participation from industry through CTAC & NMSAC.
- Review of all current regulations and the roles and responsibilities of the different divisions/offices within Coast Guard Headquarters.



National CDC Security Strategy

- **Workgroup Progress**
 - Defining Key Maritime Areas
 - Using Maritime Security Risk Analysis Model (MSRAM)
 - Identifying role of state & local authorities
 - Identifying potential role of private security
 - Comparing national vs. local risk



National CDC Security Strategy

- **Commodity Flow Study**
 - Top ten CDCs moved in bulk: LNG, propane, chlorine, anhydrous ammonia, ammonium nitrate, propylene oxide, butadiene, butane, vinyl chloride, acetone cyanohydrin
 - Site visits by ABS & CG-544

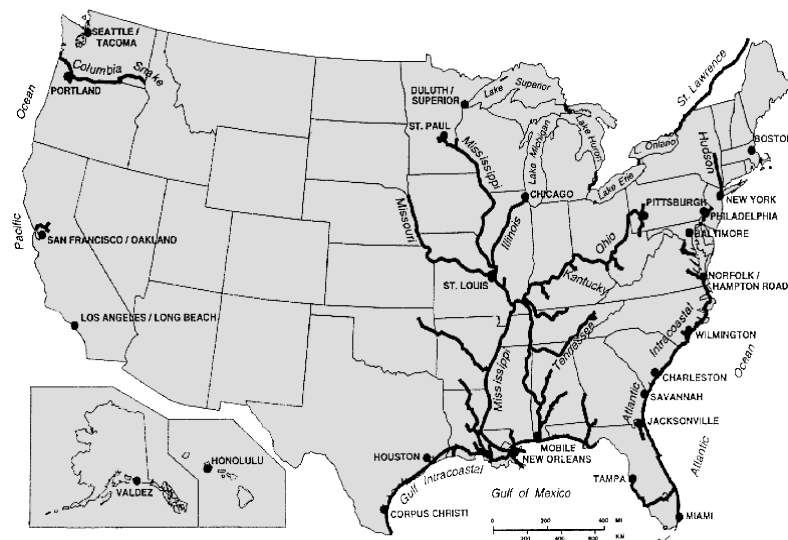


National CDC Security Strategy

- Products

National CDC Security Strategy

- Cargo Security Symposium Report
- Commodity Flow Study
- Workgroup Report
- Listening sessions





End State

- Ensure full scale scoping of stakeholder equities.
- Socialization of the notions of *Unacceptable Risk, shared responsibility* and alternative security solutions.
- Development of a National CDC Security Strategy.



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Thank You



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Development Timeline

- 25AUG 2010: Listening Session #1 – Houston, TX
- 22 SEP 2010: Listening Session #2 – St. Louis, MO
- 23-29 SEP 2010: Complete draft CDC Security Strategy
- 30 SEP 2010: Submit draft for review/approval
- 31 DEC 2010: Complete CDC Security Strategy

